



```

1 2 3 4 5 6 7 8 9 10
chain bonds :
7-15 8-11 9-17 10-12 12-13 12-14 17-18 18-22
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10
exact/norm bonds :
5-7 6-10 7-8 7-15 8-9 8-11 9-10 10-12 12-13 12-14 17-18 18-22
exact bonds :
9-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

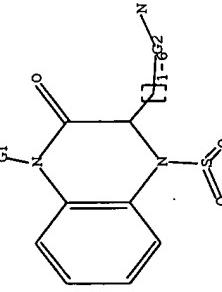
G1:C,H  
G2:C,S

Match level : 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 17:CLASS 18:CLASS 22:CLASS

L1 STRUCTURE UPLOADED  
=> que L1

L2 QUE L1  
=> D L2  
L2 HAS NO ANSWERS

STR  
G1



G1 C,H  
G2 C,S

Structure attributes must be viewed using STN Express query preparation.  
L2 QBE ABB=ON PLU=ON L1

=> S L2 SSS FULL  
FULL SEARCH INITIATED 14:49:12 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 955 TO ITERATE  
100.0% PROCESSED 955 ITERATIONS  
SEARCH TIME: 00:00:01  
L3 736 SEA SSS FUL L1

```

=> FILE CAPLUS
COST IN U.S. DOLLARS
FULL ESTIMATED COST
FILE 'CAPLUS' ENTERED AT 14:49:17 ON 19 MAY 2005
USE IS SUBJECT TO THE TERMS OF STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USACETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

```

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PBL) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 May 2005 VOL 142 ISS 21
FILE LAST UPDATED: 18 May 2005 (20050518/ED)

New CAS Information Use Policies, enter HELP USACETERMS for details.  
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3  
L4 10 L3

=> D 1-5

## 1 - 9 ARE NOT PRODR ART<sup>TM</sup> STRUCTURES NOT PRINTED

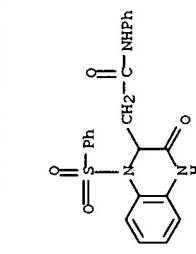
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2005:354233 CAPLUS
TI Binding modes of dihydroquinoxalones in a homology model of bradykinin receptor 1
AU Ha, Sookee N.; Hey, Pat J.; Ranson, Rick W.; Harrell, C.; Meacham, Murphy, Kathryn L.; Chang, Ray; Chan, Tsing-Bau; Su, Kristine; Book, Mark G.; Freidinger, Roger M.; Hess, Fred J.; Basic Chemistry, Merck Research Laboratories, Rahway, NJ, 07065, USA
SO 159-166
CODEN: BBRCA9; ISSN: 0006-291X
PB Elsevier
DT Journal
LA English

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2005:78220 CAPLUS
DN 14:176869
TI A preparation of quinoxaline derivatives, useful as bradykinin antagonists
IN Su, Dai-Shi; Bock, Mark G.
PA U.S. Pat. Appl. Publ., 30 pp.
SO U.S. Pat. Appl. Publ., 30 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
PATENT NO. ----- DATE ----- APPLICATION NO. ----- DATE -----
P1 US 2005020591 A1 20050127 US 2003-614390 ----- 20030707

## APPLICANTS



PRAI US	2002-378206P	P	20020503	L4	ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
WO	2003-13805	W	20030502	AN	1973-136227 CAPLUS
OS	MARPAT 139:395948			DN	78-136227
RE.CNT	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD		TI	Condensed and bound quinoxalines. IV. New pathway to arylamides of (1,2-dihydro-2-oxo-3-quinoxalyl) acetic acid.
L4	ANSWER 8 OF 10 CAPLUS	COPYRIGHT 2005 ACS on STN		AU	Romanenko, V. D.; Kul'chitskaya, N. E.; Burmistrov, S. I.
DN	139:127923	CAPLUS		CS	Dnepropetrovsk. Khim.-Tekhnol. Inst., Dnepropetrovsk, USSR
TI	Discovery of a Potent, Non-peptide Bradykinin B1 Receptor Antagonist			SO	Khimiya Geterotsiklicheskikh Soedinenii (1973), (2), 264-6
AU	Su, Dai-Shi; Markowitz, M.; Kristine; DiPardo, Robert M.; Murphy, Kathy L.; Harrell, C.; Meacham, O'Malley, Stacy S.; Ransom, Richard W.; Chang, Raymond S. L.; Ha, Sookhee; Hess, Fred J.; Pettibone, Douglas J.; Mason, Glenn S.; Boyce, Susan; Freidinger, Roger M.; Bock, Mark G.			CODEN:	KOSSAO; ISSN: 0132-6244
CS	Departments of Medicinal Chemistry and Neuroscience, Merck Research Laboratories, West Point, PA, 19486, USA			DT	Journal
SO	Journal of the American Chemical Society (2003), 125(25), 7516-7517			LA	Russian
PB	CODEN: JACSAT; ISSN: 0002-7863			=>	D 10 ABS HITSTR
PN	American Chemical Society			L4	ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
DN	139:1418208	CAPLUS		AB	N-Aryl-1,2,3,4-tetrahydro-2-oxo-3-quinoxalineacetamides [I]; R = Ph, p-MeCOCH <sub>3</sub> , p-NO <sub>2</sub> CH <sub>3</sub> , p-HOC <sub>6</sub> H <sub>4</sub> , o-ClCH <sub>3</sub> H <sub>4</sub> ,
TI	Discovery of a Potent, Non-peptide Bradykinin B1 Receptor Antagonist			2,5-(MeO) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ) were prepared in 70-90% yields by heating o-(H <sub>2</sub> N) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> with the appropriate N-aryl-maleimides in aqueous alc. Boiling I in PhMe with chloranil gave 90-5% of the corresponding dihydroquinoxalineacetamides (II).	
AU	Su, Dai-Shi; Markowitz, M.; Kristine; DiPardo, Robert M.; Murphy, Kathy L.; Harrell, C.; Meacham, O'Malley, Stacy S.; Ransom, Richard W.; Chang, Raymond S. L.; Ha, Sookhee; Hess, Fred J.; Pettibone, Douglas J.; Mason, Glenn S.; Boyce, Susan; Freidinger, Roger M.; Bock, Mark G.			IT	40376-07-6P
CS	Departments of Medicinal Chemistry and Neuroscience, Merck Research Laboratories, West Point, PA, 19486, USA			RL:	SPN (Synthetic Preparation); PREP (Preparation)
SO	Journal of the American Chemical Society (2003), 125(25), 7516-7517			(preparation of)	
PB	CODEN: JACSAT; ISSN: 0002-7863			RN	40376-07-6 CAPLUS
PN	American Chemical Society			CN	2-Quinoxalineacetamide, 1,2,3,4-tetrahydro-3-oxo-N-phenyl-1-(phenylsulfonyl)- (SCI) (CA INDEX NAME)
DN	139:1418208	CAPLUS			
TI	Tetrahydroquinoxalines acting as bradykinin antagonists, their preparation, and their therapeutic use				
IN	Bayerreuther, Bettina; Hahn, Michael; Kallus, Christopher; Kruger, Joachim; Meier, Heinrich; Reissmiller, Elke; Talian, Leila; Wittka-Nopper, Reilinde; Kroll, Matthias; Aktiengesellschaft, Germany				
PA	PCT Int. Appl., 160 pp.				
SO	CODEN: PIXXD2				
DT	Patent				
LA	FAN, CNT 1				
FAN	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----	-----
PI	WO 200307958	A1	20030130	WO 2002-EP7416	20020704
W	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KR, LC, LR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SI, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AB, AZ, BY, KG, KZ, MD, RU, TJ, TM	-----	-----	-----	-----
RW	CH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CR, CY, DE, DK, FE, ES, FI, FR, GB, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG	-----	-----	-----	-----
DE	10134721	A1	20030206	DE 2001-10134721	20010717
CA	2454007	AA	20030130	CA 2002-2454007	20020704
EP	1411948	A1	20040428	EP 2002-762319	20020704
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NI, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CR, Al, TR, BS, CZ, EE, SK	-----	-----	-----	-----
JP	2004358858	T2	20041209	JP 2003-51565	20020704
US	2004235849	A1	20041125	US 2004-483464	20040614
PRAI	DE 2001-10134721	A	20010717	-----	-----
WO	2002-EP7416	W	20020704	-----	-----
OS	MARPAT 139:131142				
RE.CNT	13	THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD			
		ALL CITATIONS AVAILABLE IN THE RE FORMAT			



**PRIOR ART / BUT THIS COMPOUND IS PROPOSED OUT OF CLAIM OF 1 - FIRST NAMED COMPOUND ONROUND EXCLUDING...**

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y/N/HOLD/Y  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
CA SUBSCRIBER PRICE  
STN INTERNATIONAL LOGOFF AT 14:51:34 ON 19 MAY 2005

TOTAL SESSION ENTRY 16.64 178.18

TOTAL SESSION ENTRY -0.73 -0.73